

Form PTO-1449 (Modified)

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.:

1174.034

Serial No.:

09/814,232

Applicant: Johansson, Ola M.

Filing Date: March 20, 2001

Group: ~~2184~~ 2857

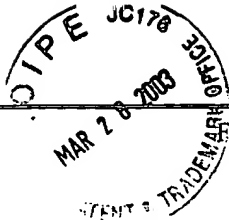
U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
for	AA	D431,826	10/10/2000	Karlström			
	AB	1,151,131	8/24/1915	Starliper			
	AC	2,116,584	5/10/1938	Shelby			
	AD	2,335,358	11/30/1943	W.A. Ray			
	AE	2,353,444	7/11/1944	Conradty et al.			
	AF	2,843,646	7/15/1958	L.A. Conant			
	AG	3,069,752	12/25/1962	O.D. Sherning			
	AH	3,091,844	6/4/1963	Laine			
	AI	3,309,031	3/14/1967	McMahon et al.			
	AJ	3,379,578	4/23/1968	G.D. McTaggart et al.			
	AK	3,466,200	9/9/1969	C.H. Mellor et al.			
	AL	3,539,400	11/10/1970	R.A. Pustell			
	AM	3,553,827	1/12/1971	B. Baker et al.			
	AN	3,604,645	9/14/1971	Keyes IV			
	AO	3,617,006	11/2/1971	Jones			
	AP	3,617,717	11/2/1971	Smith			
	AQ	3,650,891	3/21/1972	Dahlin			
	AR	3,711,687	1/16/1973	Stout et al.			
	AS	3,847,359	11/12/1974	Holmes et al.			
	AT	3,867,205	2/18/1975	Schley			
	AU	3,947,668	3/30/1976	Al-Shaikh et al.			
	AV	4,023,739	5/1977	Lampe et al.			
	AW	4,060,716	11/29/1977	Pekrul et al.			
	AX	4,070,761	1/31/1978	Collins			
	AY	4,071,451	1/31/1978	Wood			
	AZ	4,148,439	4/10/1979	Flodén			
✓	BA	4,184,204	1/15/1980	Flohr			
for	BB	4,211,324	7/8/1980	Ohlbach			

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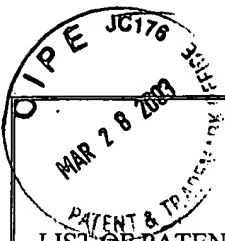
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Examiner Initial	Cite No.	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
POR	BC	4,227,927	10/1980	Black et al.			
	BD	4,268,381	5/19/1981	Hooper			
	BE	4,313,465	2/2/1982	Holzem et al.			
	BF	4,314,878	2/9/1982	Lee			
	BG	4,430,221	2/7/1984	Spiewok			
	BH	4,454,991	6/19/1984	Brenholdt			
	BI	4,498,137	2/5/1985	Flohr			
	BJ	4,581,300	4/1986	Hoppin			
	BK	4,581,813	4/15/1986	Terhune			
	BL	4,582,568	4/15/1986	Iyengar			
	BM	4,587,707	5/1986	Nishida et al.			
	BN	4,614,296	9/1986	Lesgourgues			
	BO	4,626,318	12/2/1986	Prough et al.			
	BP	4,627,578	12/9/1986	Whyte			
	BQ	4,661,911	4/28/1987	Ellery, Sr.			
	BR	4,670,215	6/1987	Morishita et al.			
	BS	4,672,529	6/9/1987	Kupersmit			
	BT	4,673,875	6/16/1987	Kjellzvist et al.			
	BU	4,688,726	8/25/1987	Brenholdt			
	BV	4,730,252	3/8/1988	Bradshaw			
	BW	4,745,254	5/1988	Funk			
	BX	4,820,980	4/11/1989	Dodson-Edgars			
	BY	4,837,417	6/1989	Funk			
	BZ	4,858,103	8/15/1989	Takeuchi et al.			
	CA	4,878,020	10/31/1989	Kärnä et al.			
	CB	4,887,208	12/12/1989	Schneider et al.			
	CC	4,920,488	4/24/1990	Filley			
	CD	4,943,347	7/24/1990	Floden			
POR	CE	4,950,986	8/21/1990	Guerrero			

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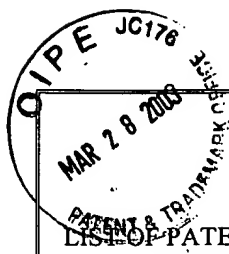
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Examiner Initial	Cite No.	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
PT	CF	4,972,318	11/20/1990	Brown et al.			
	CG	4,980,123	12/1990	Gedeon et al.			
	CH	4,994,971	2/19/1991	Poelstra			
	CI	5,007,985	4/16/1991	Engstrand et al.			
	CJ	5,009,774	4/23/1991	LeBlanc			
	CK	5,011,065	4/30/1991	Musselmann			
	CL	5,011,088	4/30/1991	Savonjousi			
	CM	5,011,090	4/30/1991	Savonjousi			
	CN	5,016,824	5/21/1991	Pietinen et al.			
	CO	5,042,726	8/27/1991	Reinhall			
	CP	5,063,380	11/5/1991	Wakura			
	CQ	5,064,536	11/12/1991	Bratten			
	CR	5,067,660	11/26/1991	Reinhall			
	CS	5,071,514	12/10/1991	Francis			
	CT	5,081,039	1/14/1992	Buttke et al.			
	CU	5,091,713	2/25/1992	Horne et al.			
	CV	5,233,542	8/3/1993	Hohner et al.			
	CW	5,425,508	6/20/1995	Chaney			
	CX	5,445,328	8/29/1995	Musselman			
	CY	5,491,340	2/13/1996	Saarinen			
	CZ	5,500,088	3/19/1996	Allison et al.			
	DA	5,500,735	3/19/1996	Bentley et al.			
	DB	5,544,819	8/13/1996	Shepherd			
	DC	5,555,171	9/10/1996	Sonehara et al.			
	DD	5,581,019	12/3/1996	Minor et al.			
	DE	5,586,305	12/17/1996	Eidson et al.			
	DF	5,600,058	2/4/1997	Preikschat et al.			
	DG	5,601,690	2/11/1997	Gauld et al.			
PT	DH	5,638,284	6/10/1997	Helmer et al.			

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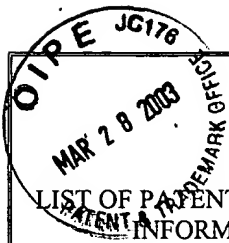
U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
BS	DI	5,666,493	9/9/1997	Wojcik et al.			
	DJ	5,680,320	10/21/1997	Helmer et al.			
	DK	5,682,473	10/28/1997	Carson et al.			
	DL	5,684,247	11/4/1997	Preikschat			
	DM	5,687,098	11/11/1997	Grumstrup et al.			
	DN	5,691,636	11/25/1997	Allshouse et al.			
	DO	5,718,389	2/17/1998	Finken et al.			
	DP	5,745,365	4/28/1998	Parker			
	DQ	5,747,707	5/5/1998	Johansson et al.			
	DR	5,758,329	5/26/1998	Wojcik et al.			
	DS	5,823,453	10/20/1998	Garasimowicz			
	DT	5,825,653	10/20/1998	Huovila et al.			
	DU	5,966,679	10/12/1999	Snowbarger et al.			
	DV	5,975,438	11/2/1999	Garasimowicz			
	DW	5,991,636	11/23/1999	Won et al.			
	DX	6,024,309	2/15/2000	Karlström			
	DY	6,092,003	7/18/2000	Hagart-Alexande et al.			
	DZ	6,157,916	12/5/2000	Hoffman			
	EA	6,200,421	3/13/2001	Meinander			
	EB	6,206,309	3/27/2001	Danielsson et al.			
	EC	6,290,816	9/18/2001	Graf			
	ED	6,314,381	11/6/2001	Johansson			
	EE	6,317,701	11/13/2001	Pyotsia et al.			
	EF	6,324,490	11/27/2001	Johansson et al.			
	EG	6,502,774	1/7/2003	Johansson et al.			
	EH	US 2001/0032898 A1	10/25/2001	Bankes et al.			
	EI	US 2002/0013635 A1	1/31/2002	Gotou et al.			

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FOREIGN PATENT DOCUMENTS

Examiner Initial	Cite No.	Document Number	Date	Country	Class	Subclass	Translation	
<i>psr</i>	EJ	1 468 649	12/5/1975	Great Britain			Yes	No
	EK	546 600	6/16/1972	Switzerland				No
	EL	WO 83/01969	6/9/1983	PCT/SE82/00366			Yes	
	EM	WO 89/00624	1/26/1989	PCT/FI88/00118			Yes	
	EN	WO 96/14156 ✓	5/17/1996	PCT/SE95/01279			Yes	
	EO	WO 97/23018	6/26/1997	PCT/SE96/01662			Yes	
	EP	WO 97/24596	7/10/1997	PCT/FI96/00698			Yes	
	EQ	WO 97/38792	10/23/1997	PCT/SE97/00577			Yes	
	ER	WO 98/48936	11/5/1998	PCT/SE98/00771			Yes	
	ES	WO 98/58243	12/23/1998	PCT/SE98/01153			Yes	
	ET	EP 0640395A1	3/1/1995	Europe			Yes	
	EU	FR 2339703	8/26/1977	France			Yes	
	EV	GB 28,667		Great Britain				
	EW	DE 2145096	1/11/1973	Germany				No
<i>psr</i>	EX	CN 2183700		Canada				

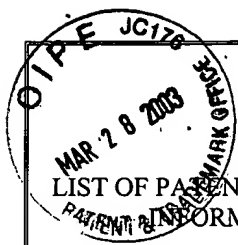
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Examiner Initial	Cite No.	Author, Title, Date, Pertinent Pages, Etc.
<i>psr</i>	EY	W.E. Lunan, K.B. Miles and W.D. May, <i>The Effect of Differential Pressure on Energy Consumption in Thermomechanical Pulping</i> , Journal of Pulp and Paper Science: Vol. 11, No. 5, September 1985, pages J129-J135
	EZ	K.B. Miles and W.D. May, Pulp and Paper Research Institute of Canada, <i>Predicting the Performance of a Chip Refiner; A Constitutive Approach</i> , 1991 International Mechanical Pulping Conference, pages 295-301
	FA	H.R. Dana, W.D. May, K.B. Miles and B.G. Newman, Pulp and Paper Research Institute of Canada, Pointe Claire, P.Q., <i>A Study of Steam Flow and Self-Pressurization in Chip Refiners</i> , Transactions, Vol. 1, No. 3, September 1975, pages 82-88
	FB	K.B. Miles and W.D. May, Pulp and Paper Research Institute of Canada 1989 Annual Meeting, <i>The Flow of Pulp in Chip Refiners</i> , pages A177-A188
<i>psr</i>	FC	William Herbert and P.G. Marsh, <i>Mechanics and Fluid Dynamics of a Disk Refiner</i> , Tappi, Vol. 51, No. 5, May 1968, pages 235-239



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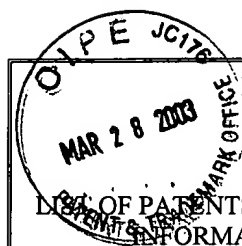
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Examiner Initial	Cite No.	Author, Title, Date, Pertinent Pages, Etc.	Technology Center 2100
POD	FD	A Master's thesis by Alexander Horch, <i>Modeling and Control of a Thermo Mechanical Pulp Refiner</i> , December 7, 1995	
	FE	Helmut Becker, Hans Höglund and Göran Tistad, <i>Frequency and temperature in chip refining</i> , Papperi ja Puu-Papper och Trä, No. 3, 1977	
	FF	D. Atack and M.I. Stationwala, Pulp and Paper Research Institute of Canada, <i>On the Measurement of Temperature and Pressure in the Refining Zone of an Open Discharge Refiner</i> , Transactions, Vol. 1, No. 3, pages 71-76, September 1975	
	FG	Esko Härkönen, Seppo Ruottu, Ari Ruotu and Ola Johansson, <i>A Theoretical Model for a TMP-Refiner</i> , 9-13 June 1997, pp. 95-102, 1997 International Pulping Conference, Stockholm, Sweden	
	FH	B.G. Newman, M.I. Stationwala and D. Atack, Pulp and Paper Research Institute of Canada, <i>Analysis of Steam Flow in Disc Refining</i> , SPCI International Mechanical Pulping Conference, May 6-10, 1985, pages 60-67	
	FI	Per A Gradin, Ola Johansson, Jan-Erik Berg and Staffan Syström, <i>Measurement of the Power Distribution in a Single Disc Refiner</i> , J. Pulp Paper Science 25, No. 11: 384-387 (1999)	
	FJ	M.I. Stationwala, D. Atack, J.R. Wood, D.J. Wild, and A. Karnis, Pulp and Paper Research Institute of Canada, <i>The Effect of Control Variables on Refining Zone Conditions and Pulp Properties</i> , Pap. Puu 73, No. 1: 62-69 (Jan 1991)	
	FK	Marc. J. Sabourin, Eric Xu, j. Brad Cort, Ivan Boileau and Andrew Waller, <i>Optimizing Residence Time, Temperature and Speed to Improve TMP Pulp Properties and Reduce Energy</i> , Pulp Pap. Can. 98, No. 4: 38-45, April 1997	
	FL	K.B. Miles, H.R. Dana and W.D. May, <i>The Flow of Steam in Chip Refiners</i> , CCPA Conf. Technol. E. Stivale 55-60 (June 2-5, 1982), pages 30-42	
	FM	Ola Johansson, Mark Frith, Bo Falk and Robert Gareau, <i>Thermopulp® - Recent Process Developments and Experiences</i> , 84 th Annual Meeting of the Technical Section of the CCPA: Papers Presented January 29-30, 1998, pages 1-11	
	FN	OMEGA Thermocouple Calibrator Handbook (1996)	
	FO	Ali P. Haapanen, Pulp and Paper Technical Association of Canada 86 th Annual Meeting Papers (2000), <i>On-Line Temperature Measurement for Paper Machine Dryers: A New Way to Monitor and Improve Performance</i> , pages B81-B84	
	FP	83 rd Annual Meeting, Technical Section, Canadian Pulp & Paper Association, Papers Presented on Tuesday and Wednesday, January 28-29, 1997, Preprints A, <i>Electronic Customer Data Management System</i> , pages A53-A56	
	FQ	OMEGADYNE™ Pressure, Force, Load Torque Databook (1996), Chapters B, C, D, E, F, G, H, and J.	
	FR	Bill Gough, John Kay, and Greg Seebach, Canadian Pulp & Paper Association, Technical Section, 79 th Annual Meeting, Preprints A, <i>Adaptive Control Applications in Pulp and Paper</i> , pages A73-A84, January 26-27, 1993	
POD	FS	Luc Charbonneau and Philip Plouffe, Canadian Pulp & Paper Association, Technical Section, 79 th Annual Meeting, Preprints A, <i>Sensodec-10 - Condition Monitoring System</i> , pages A109-A118, January 26-27, 1993	



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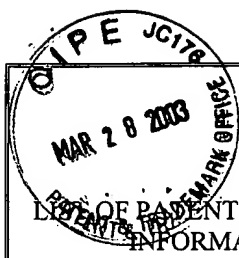
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MS	FT	M. Spence, K. Danielson, Y. Ying, and M. Rao, Canadian Pulp & Paper Association, Technical Section, 79 th Annual Meeting, Preprints A, <i>On-Line Advisory Expert System Development at Daishowa Peace River Pulp</i> , pages A143-A147, January 26-27, 1993	
	FU	Geoff Lawrence, Canadian Pulp & Paper Association, Technical Section, 79 th Annual Meeting, Preprints A, <i>New Measurement and Control System Allows for Simple and Economical DCS Integration</i> , pages A179-A183, January 26-27, 1993	
	FV	James J. Pinto and Pierre Gingras, Canadian Pulp & Paper Association, Technical Section, 79 th Annual Meeting, Preprints A, <i>"Truly" Distributed Control Systems - Through Intelligent, Networked I/O</i> , pages A291-A294, January 26-27, 1993	
	FW	John R. Lavigne, Pulp and Paper Industry Division, <i>An Introduction to Paper Industry Instrumentation, Revised Edition</i> , 1977, Chapters 1, 2, 4, 5, 6, 7, 8, 10, 11, 12, 15, 16, 17, 18, 19 and 20	
	FX	B.C. Strand and Anders Mokvist, 1991 Int'l Mech. Pulping Conf. Proc., June 2-5, <i>On-Line Control and Optimization of the Refining Process Using a Model Based Control System</i> , pages 101-108	
	FY	Jan Hill, Kari Saarinen, and Roger Stenros, 1991 Int'l Mech. Pulping Conf. Proc., June 2-5, <i>On the control of chip refining systems</i> , pages 235-241	
	FZ	Kenneth W. Britt, Ed., <i>Handbook of Pulp and Paper Technology</i> , 2 nd Ed. (1970), Chapter 5.	
	GA	M. Fournier, H. Ma, P.M. Shallhorn, and A.A. Roche, <i>Control of Chip Refiner Operation</i> , 1991 Int'l Mech. Pulping Conf. Proc., pp. 91 - 100.	
	GB	Daniel Jutras, Steve A. Rowland, Luis Cortez, and Nelson LaFleur, <i>The Hymac HXD-64: A New Concept in Refiner Design</i> , 1991 Int'l Mech. Pulping Conf. Proc., pp. 285 - 294.	
	GC	M.I. Stationwala, K.B. Miles, and A. Karnis, <i>The Effect of First Stage Refining Conditions on Pulp Properties and Energy Consumption</i> , 1991 Int'l Mech. Pulping Conf. Proc., pp. 321 - 327.	
	GD	Art. Jepson, <i>New Wave Screen Baskets Upgrade Existing Systems</i> , 1984 Pulping Conf. TAPPI Proc., pp. 515 - 520.	
	GE	OMEGA C01, C02, C03 "Cement-On" Thermocouples User's Guide (1996).	
	GF	Lars Johansson, <i>Effects of Temperature and Sulfonation on Deformation of Spruce Wood</i> , Thesis for Dept. of Forest Prods. and Chem. Eng'g, Chalmers University of Technology, Göteborg, Sweden (1997).	
	GG	OMEGA Transactions in Measurement and Control, Vol. 3: Force-Related Measurements (1998).	
	GH	Karin Eriksson, <i>Performance Analysis in TMP Refining</i> , Thesis for Dept. of Signals and Systems, Chalmers University of Technology, Göteborg, Sweden (2001).	
	GI	BeInZero AB Refiner Control System documentation, "Get to Know Your Refiners", pp. 1 - 19 and appendices 1 and 2 (2000).	
	GJ	Jan Sundholm, <i>Papermaking Science and Technology, Book 5: Mechanical Pulping</i> (1999), chapters 1 - 4 and 7 - 10.	
MS	GK	Lydia Bley and Roland Berger, <i>Recent Advances in On-Line Charge Measurements</i> , 2001 Int'l Mech. Pulping Conf. Proc. pp. 63 - 72.	



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	GL	François Julien Saint Amand and Bernard Perrin, <i>Fundamental Aspects of Mechanical Pulp Screening</i> , 2001 Int'l Mech. Pulping Conf. Proc. pp. 387 – 406.	
	GM	B.C. Strand, View on Control Development, 2001 Int'l Mech. Pulping Conf. Proc. pp. 477 – 480.	
	GN	Karl Mosbye, Kjell-Arve Kure, Guri Fuglem, Ola Johansson, <i>Use of Refining Zone Temperature Measurements for Refiner Control</i> , 2001 Int'l Mech. Pulping Conf. Proc., pp. 481 – 488.	
	GO	Olof Ferritsius and Rita Ferritsius, <i>Experiences from Stora Enso Mills of Using Factor Analysis for Control of Pulp and Paper Quality</i> , 2001 Int'l Mech. Pulping Conf. Proc., pp. 495 – 503.	
	GP	Juha Kortelainen, Anitti Salopuro, Jouko Halttunen, <i>Prediction of TMP Quality Properties with On-Line Measurements</i> , 2001 Int'l Mech. Pulping Conf. Proc., pp. 505 – 512.	
	GQ	Ismo Joensuu, Lennart Karlsson, Jaakko Myllyneva, <i>Fuzzy Quality Control of a TMP Plant</i> , 2001 Int'l Mech. Pulping Conf. Proc., pp. 513 – 521.	
	GR	Lars Sundström, Roy Tønnesen, and Lennart Nilsson, <i>Multivariate Monitoring of a Chip Feeding Process</i> , 2001 Int'l Mech. Pulping Conf. Proc., pp. 523 – 529.	
	GS	Petteri Vuorio and Peter Bergquist, <i>New Refiner Segments Technology to Optimize Fiber Quality and Energy Consumption of Refiner Mechanical Pulp</i> , 2001 Int'l Mech. Pulping Conf. Proc., pp. 565 – 577.	
	GT	Ola Johansson, Dan Hogan, Dale Blankenship, Eddie Snow, Wyllys More, Ronnie Qualls, Keith Pugh, and Mike Wanderer, <i>Improved Process Optimization Through Adjustable Refiner Plates</i> , 2001 Int'l Mech. Pulping Conf. Proc., pp. 579 – 589.	
	GU	Fredrik Rosenqvist, Karin Eriksson, and Anders Karlström, <i>Time-Variant Modelling of TMP Refining</i> (undated)	
	GV	Fredrik Rosenqvist, Karin Eriksson, and Anders Karlström, <i>Modelling a Thermomechanical Wood-Chip Refiner</i> (undated)	
	GW	Plant Information (PI™) System brochure, OSI Software Inc. (undated)	
EXAMINER			DATE CONSIDERED 5/23/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.